CATERPILLAR®

99739-94100

Service Manual

Options Supplement

GC35K	**AT87-00001-up**
GC40K	**AT87-00001-up**
GC40K STR	**AT87-00001-up**
GC45K SWB	**AT87-00001-up**
GC45K	**AT88-00001-up**
GC55K	**AT88-00001-up**
GC55K STR	**AT88-00001-up**
GC60K	**AT89-00001-up**
GC70K	**AT89-00001-up**
GC70K STR	**AT89-00001-up**

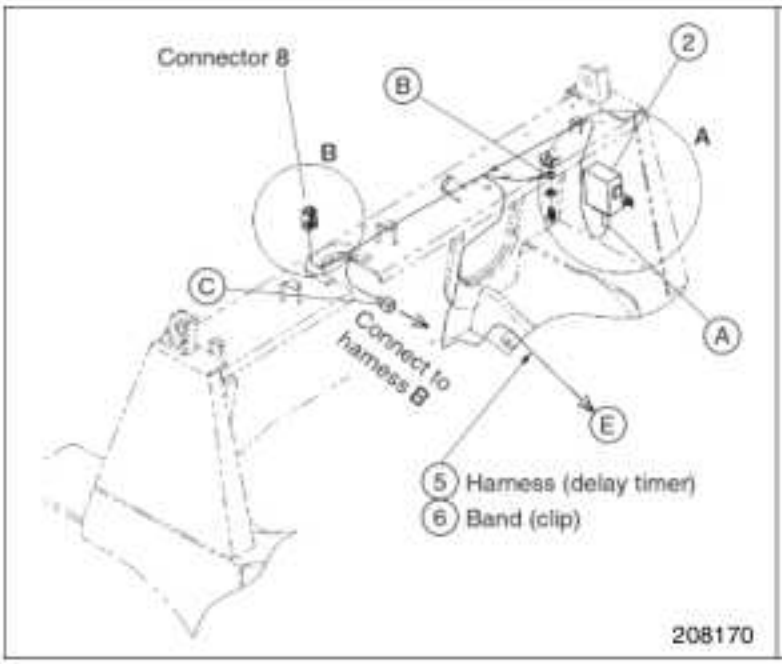
For use with the Chassis & Mast Service Manual

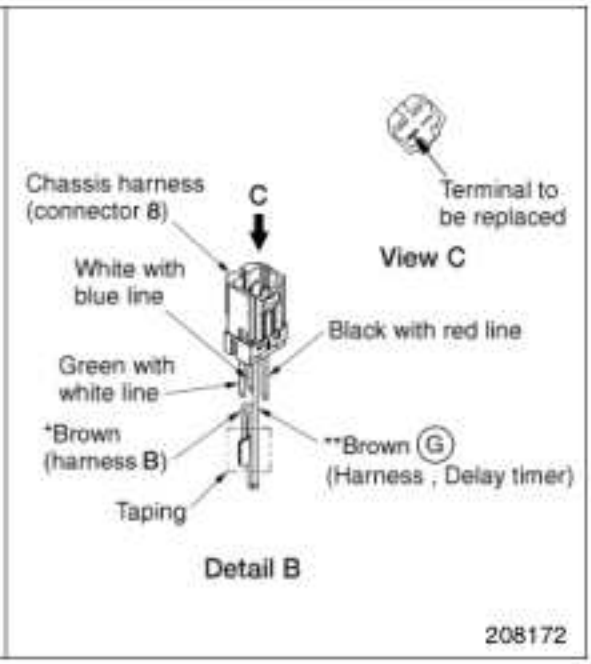
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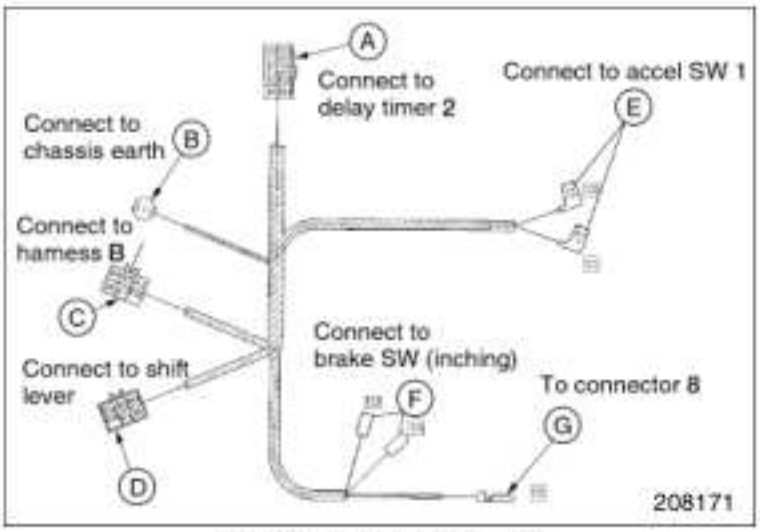
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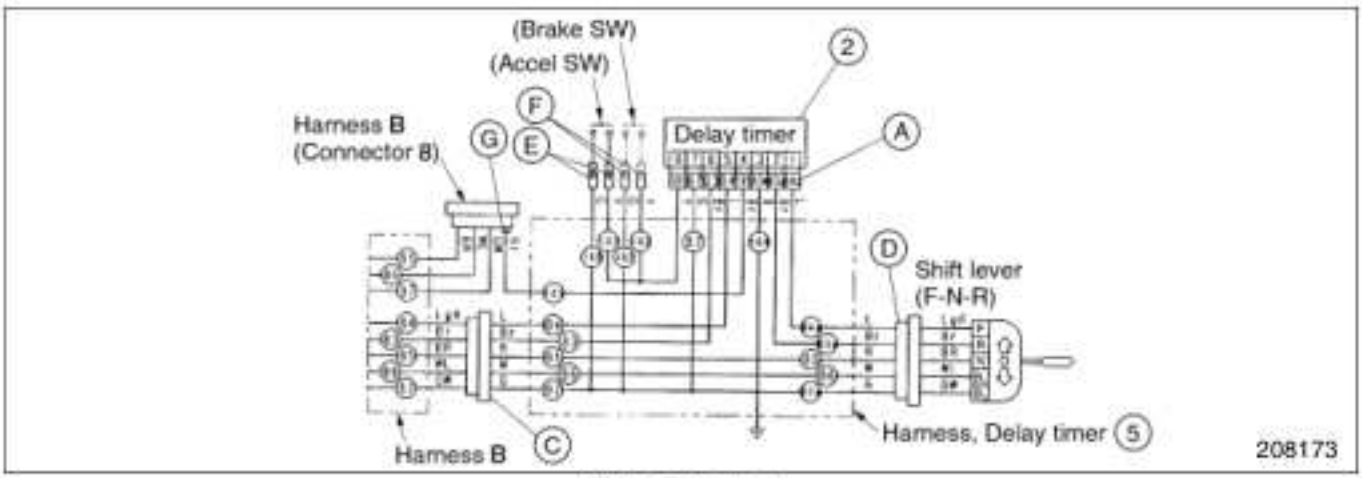


9. Route harness 5 along main harness (harness B) and secure with clip band as required. For harness connections, refer to illustration below and wiring diagram.



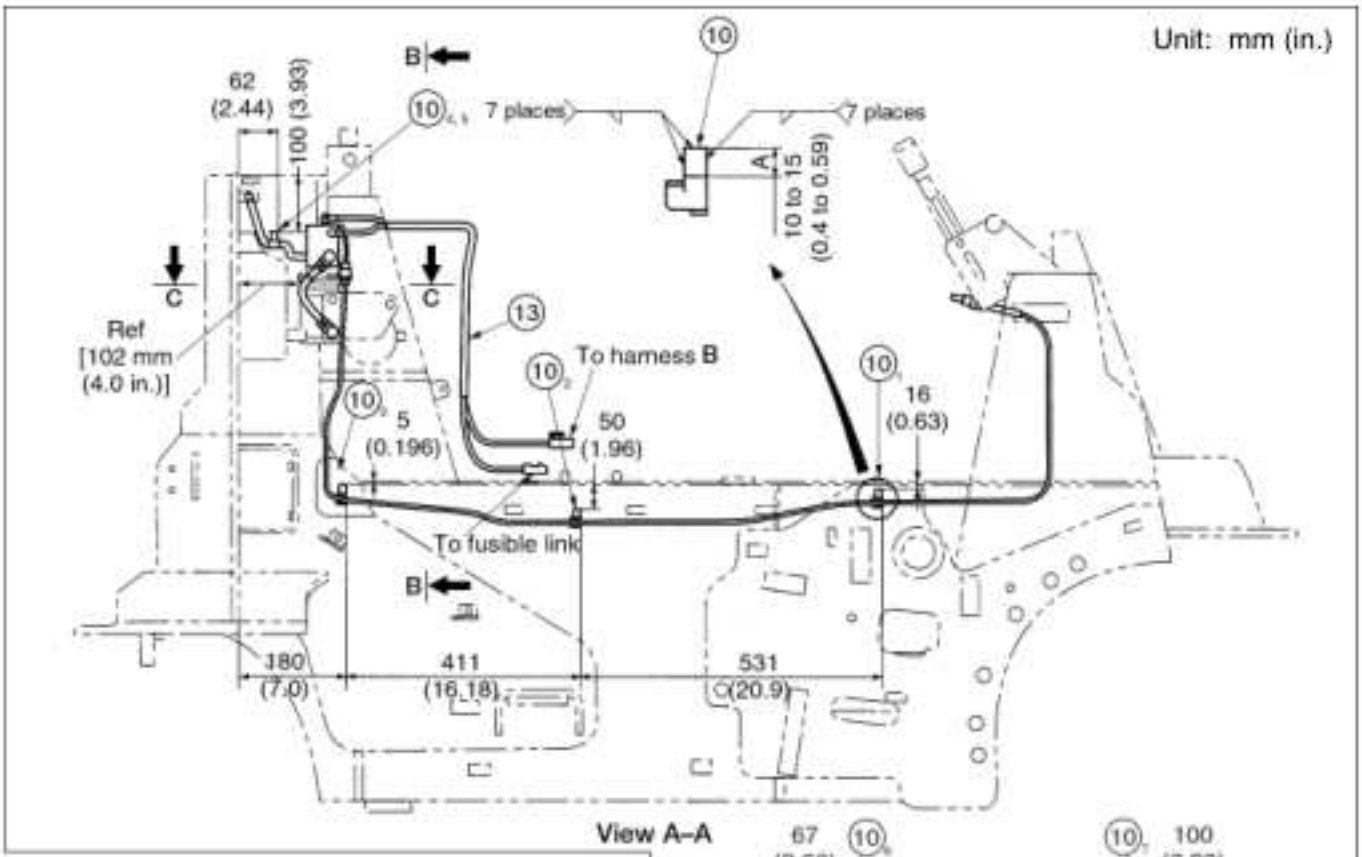
Harness (5), Delay timer

10. Modify the existing connector 8 of harness B as follows.
    (1) Disconnect the connector 8.
    (2) Pull out * marked brown wire shown above from connector 8.
    (3) Insert ** marked terminal G of harness 5 into connector 8.
    (4) Bind disconnected * marked brown wire and ** marked terminal together with tape.
    (5) Re-connect the connector 8.
11. Perform at least the following tests.
    (1) Operate shift lever (F-N-R) to check that transmission works properly.
    (2) Check that creep speed is controlled properly.



Wiring diagram

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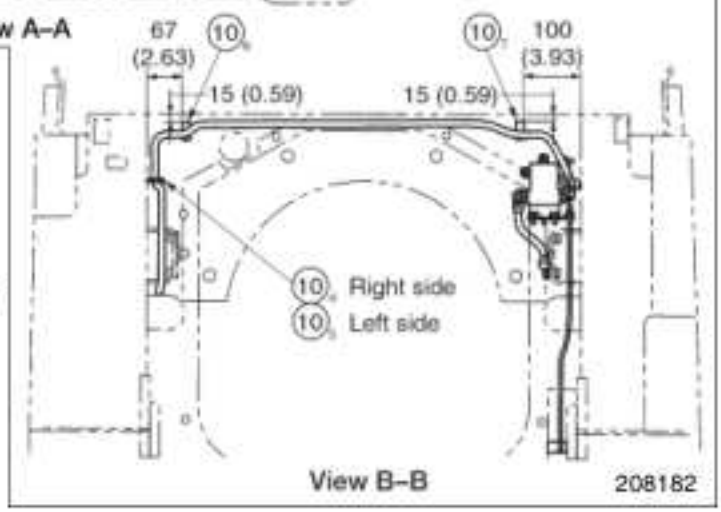


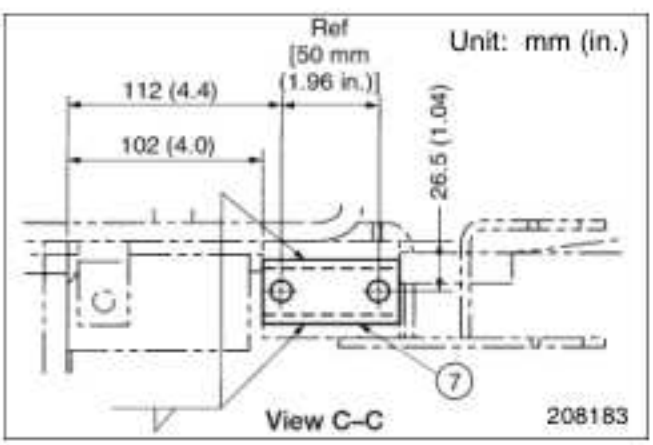
Installation

Start by:

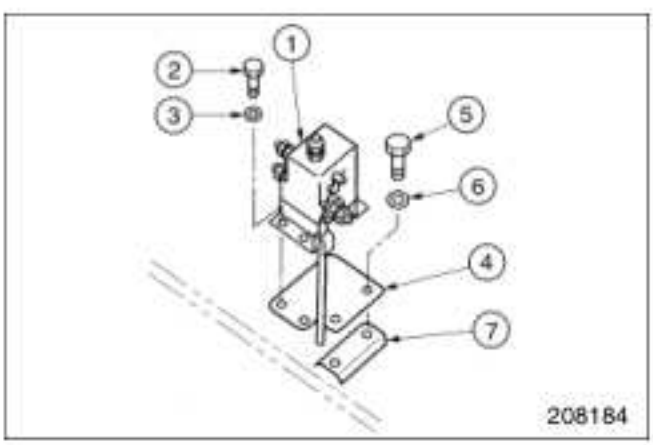
Remove standard type battery cable (-).

1. Weld clip 10 as shown (7 places, ⑩ to ⑯).
2. Install bracket 11 with one bolt 12 (see previous page.)





3. Weld support 7 as shown in View C–C.



4. Install plate 4 to support 7 with bolt 5 and washer 6 (two).
5. Install master safety switch 1 to plate 4 with bolt 2 and washer 3 (three).

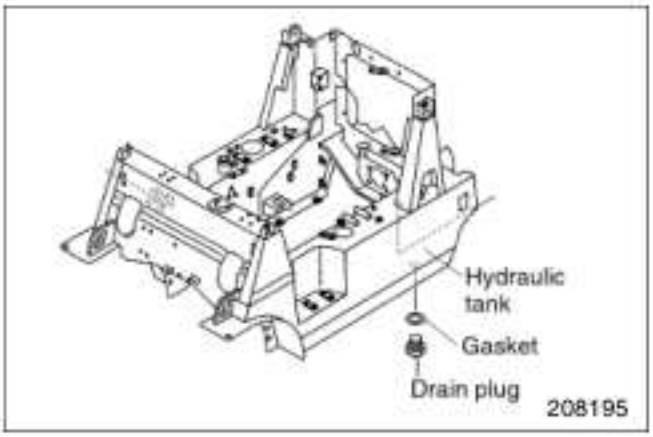
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3. Magnetic Plug Kit

Description

This kit provides magnetic drain plugs in hydraulic tank and in front drive axle for GC35K-70K.

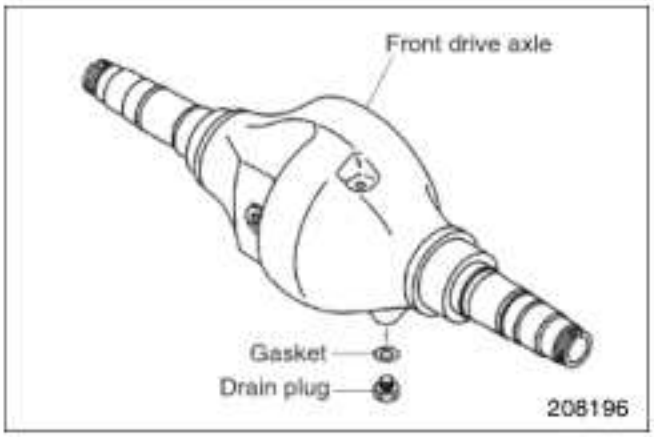
Installation



1. Remove existing plug and gasket from hydraulic tank drain hole.
2. Install new magnetic plug (M30 × 1.5) and new gasket to drain hole.

   Torque to 177 to 196 N·m (18 to 20 kgf·m)

   [130 to 144 lbf·ft]



3. Remove existing plug and gasket from front drive axle drain hole.
4. Install new magnetic plug (M18 × 1.5) and new gasket to drain hole.

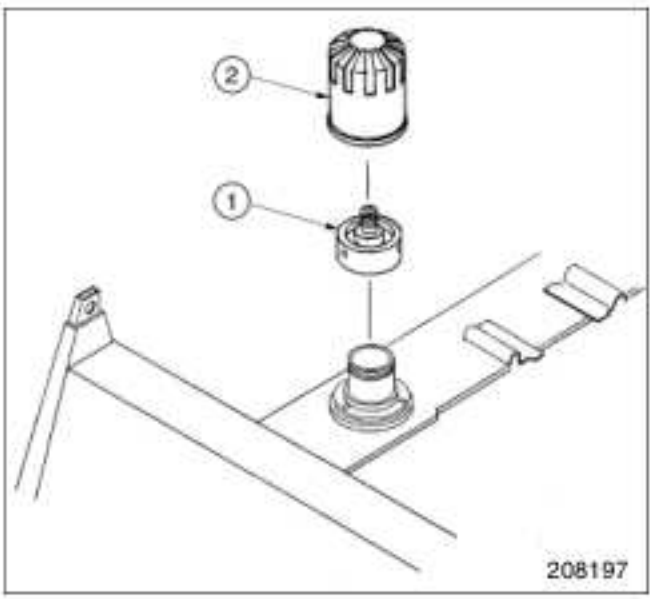
   Torque to 50 to 98 N·m (5 to 10 kgf·m)

   [36 to 72 lbf·ft]

4. Dust-proof breather kit

Description

This kit is used to minimize the entry of foreign particles into the hydraulic tank through its cap assembly.



This kit consists of following parts.

1 Oil filter cap
2 Oil filter

Installation

1. Remove the existing standard cap assembly from the hydraulic tank, then install oil filter cap 1 in that place.
2. Fit oil filter 2 on top of oil filter cap 1.

NOTE

Though the oil filter replacement interval depends on the extent of dust accumulations, it is recommended to replace oil filter at every 1,200 service meter hours.

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